

U. S. HORTICULTURAL FIELD STATION

LA JOLLA (TORREY PINES), CALIFORNIA

67.19 ACRES LEASED FROM THE CITY OF SAN DIEGO FOR
THE PERIOD JULY 1, 1939 - JUNE 30, 1954

ESTABLISHED: JULY 1, 1929

PERSONNEL: THOMAS W. WHITAKER, GENETICIST
WALTER M. OWEN, FIELD AID
DEAN EARL PRYOR, AGENT
FRED CHAMBERS, FARM LABORER

LINES OF WORK

LETTUCE AND MUSKMELON DISEASE INVESTIGATIONS; BREEDING STRAINS OF LETTUCE RESISTANT TO BROWN BLIGHT, MILDEW AND TIP BURN; BREEDING CANTALOUPEs FOR RESISTANCE TO POWDERY AND DOWN MILDEW; BREEDING DISEASE-RESISTANT STRAINS OF CELERY AND ASPARAGUS; AND INVESTIGATING CAUSE AND NATURE OF BROWN BLIGHT AND "BIG VEIN" DISEASES OF LETTUCE.

INVESTIGATIONS OF THE RELATIONSHIPS OF THE SALINITY OF IRRIGATION WATERS, AND OF SOIL CONDITIONS, TO PLANT GROWTH AND RELATED FACTORS INVOLVED IN A PERMANENTLY SUCCESSFUL IRRIGATED AGRICULTURE.

